

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

| | | |
|-----------------------------------|---|-------------------------|
| In re Application of | : | Group Art Unit: Unknown |
| TASHEV, et al. | : | |
| | : | |
| Entitled: A SYSTEM AND METHOD FOR | : | Examiner: Unknown |
| BEAMFORMING USING A | : | |
| MICROPHONE ARRAY | : | |
| | : | |
| Serial No.: Unknown | : | |
| | : | |
| Filing Date: March 2, 2004 | : | |

INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR 1.97(b)

Commissioner for Patents
P.O. Box 1450
Alexandria, VA, 22313-1450

Sir:

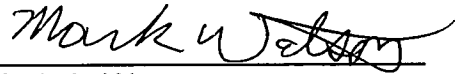
Attached hereto is Form PTO-1449 listing documents believed relevant to the subject application. It is respectfully requested that these documents be made of record and an initialed copy of each form be returned to the undersigned.

This disclosure statement should not be construed as a representation that a search has been made or that no other material information as defined in 37 CFR 1.56(a) exists. Furthermore, no admission is being made that these documents are prior art, and applicant reserves the right to challenge any such conclusion.

It is believed that this disclosure complies with the requirements of 37 CFR 1.56, 1.97, and 1.98, and the manual of Patent Examining Procedures, section 609 and 707.05. If for some reason the Examiner considers otherwise, it is respectfully requested that the undersigned be called so that any deficiencies can be remedied.

A copy of these documents is enclosed unless indicated otherwise. Some of the documents may have markings on them. No significance is meant to be attached to the markings. These documents are not necessarily analogous art.

Respectfully submitted,

A handwritten signature in cursive script, appearing to read "Mark A. Watson", written over a horizontal line.

Mark A. Watson
Reg. No. 41,370
Attorney for Applicants

Lyon & Harr, LLP
300 Esplanade Drive, Suite 800
Oxnard, California 93036
(805) 278-8855

| | | | | | | | | |
|--|------|---|------|---------|--|----------|---------------------------------|--|
| INFORMATION DISCLOSURE CITATION <i>(Use several sheets if necessary)</i> | | | | | DOCKET NO.: MCS-005-04 (305886.01) | | SERIAL NO.: Unknown | |
| | | | | | INVENTOR: TASHEV, et al. | | | |
| | | | | | FILING DATE: March 1, 2004 | | GROUP: Unknown | |
| U.S. PATENT DOCUMENTS | | | | | | | | |
| *Examiner Initial | Ref. | Document Number | Date | Name | Class | Subclass | Filing Date (If Appropriate) | |
| | | | | | | | | |
| FOREIGN PATENT DOCUMENTS | | | | | | | | |
| | | Document Number | Date | Country | Class | Subclass | Translation Yes No | |
| | | | | | | | | |
| OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) | | | | | | | | |
| /GM/ | A1 | H. S. Malvar, "System and method for producing modulated complex lapped transforms," <i>U.S. Patent</i> 6,487,574, Nov. 2002. | | | | | | |
| ↓ | A2 | H. S. Malvar, "Modulated complex lapped transform for integrated signal enhancement and coding," <i>U.S. Patent</i> 6,496,795, Dec. 2002. | | | | | | |
| ↓ | A3 | S. Nordholm, I. Claesson, M. Dahl. "Adaptive microphone array employing calibration signals; an analytical evaluation". <i>IEEE Trans. on Speech and Audio Processing</i> , vol. 7, pp. 241–252, May 1999. | | | | | | |
| ↓ | A4 | D. A. Florêncio and H. S. Malvar, "Multichannel filtering for optimum noise reduction in microphone arrays," <i>Proc. International Conference on Acoustic, Speech, and Signal Processing</i> , pp. 197–200, May 2001. | | | | | | |
| ↓ | A5 | M. Seltzer, B. Raj. "Calibration of Microphone arrays for improved speech recognition". <i>Mitsubishi Research Laboratories Technical Report</i> , TR-2001-43, Dec. 2001. | | | | | | |
| ↓ | A6 | H. Teutsch and G. Elko. "An adaptive close-talking microphone array," <i>Proc. IEEE Workshop on Applications of Signal Processing to Audio and Acoustics</i> , pp. 163–166, Oct. 2001. | | | | | | |
| ↓ | A7 | H. Wang and P. Chu, "Voice source localization for automatic camera pointing system in videoconferencing," <i>Proc. International Conference on Acoustic, Speech, and Signal Processing</i> , pp. 187–190, April 1997. | | | | | | |
| ↓ | A8 | R. Duraiswami, D. Zotkin, and L. S. Davis, "Active speech source localization by a dual coarse-to-fine search," <i>Proc. International Conference on Acoustic, Speech, and Signal Processing</i> , pp. 3309 - 3312, May 2001. | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| EXAMINER: | | /George Monikang/ | | | DATE CONSIDERED: | | 07/22/2007 | |

*EXAMINER: Initial if any reference considered, whether or not the citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.